Core dump

[intro]

[scenario]

**int** main()

{

**char** \*str;

   /\* Stored in read only part of data segment \*/

   str = "GfG";

   /\* Problem:  trying to modify read only memory \*/

   \*(str + 1) = 'n';

**return** 0;

}

**using** **namespace** std;

**int** main()

{

**int** arr[2];

   arr[3] = 10;  // Accessing out of bound

**return** 0;

}

#include <iostream>

**using** **namespace** std;

**int** main(**void**)

{

    // allocating memory to p

**int**\* p = (**int**\*) **malloc**(8\***sizeof**(**int**));

    \*p = 100;

    // deallocated the space allocated to p

**free**(p);

    // core dump/segmentation fault

    //  as now this statement is illegal

    \*p = 110;

**return** 0;

}

// C++ program to demonstrate segmentation

// fault when value is passed to scanf

#include <iostream>

using namespace std;

int main()

{

int n = 2;

cin >> " " >> n;

return 0;

}

// This code is contributed by shivanisinghss2110

// C++ program to demonstrate segmentation

// fault when uninitialized pointer is accessed.

#include <iostream>

**using** **namespace** std;

**int** main()

{

**int**\* p;

    cout << \*p;

**return** 0;

}

[ref]

[Core Dump (Segmentation fault) in C/C++ - GeeksforGeeks](https://www.geeksforgeeks.org/core-dump-segmentation-fault-c-cpp/)